



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

RECEIVED

JUN 3 - 2004

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <i>Brodersen Sand & Gravel</i>		MISSOURI LAND RECLAMATION COMMISSION DATE <i>5-14-04</i>	
ADDRESS <i>7672 Hwy 135</i>		CITY <i>Florence</i>	STATE <i>Mo</i> ZIP CODE <i>65329</i>
CONTACT PERSON <i>Larry Brodersen</i>		TELEPHONE NUMBER <i>660-368-2873</i>	
CHECK ANY THAT APPLY: <input type="checkbox"/> New Permit <input type="checkbox"/> Permit Amendment <input type="checkbox"/> Permit Revision <input checked="" type="checkbox"/> Permit Expansion			
SITE NAME OR NUMBER	ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (EAST OR WEST)	
1. <i>Homan creek</i>	<i>2</i>	<i>Morgan 22 45 19</i>	
2. <i>Brodersen creek</i>	<i>1</i>	<i>Morgan 13 45 19</i>	
3.			
4.			
5.			
6.			
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8.			
9.			
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18.			
19.			
20.			
ATTACH ADDITIONAL SHEETS IF NE			
SIGNATURE OF APPLICANT <i>Larry Brodersen</i>		TITLE <i>owner</i>	DATE <i>5-14-04</i>
Appeared before me this _____ day of _____, 20____, to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSE	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Morgan</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>26th</i> DAY OF <i>May</i> YEAR <i>2004</i>		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE <i>Alice R. Tietjen</i>	MY COMMISSION EXPIRES <i>12/08/2007</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Alice R. Tietjen</i>		
FOR DEPARTMENT USE ONLY: APPROVED BY		DATE APPROVED	PERMIT NUMBER



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION

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JEFFERSON CITY, MO 65102-0176

Complete this form for each separate area of disturbance associated with mining operations. MISSOURI LAND RECLAMATION COMMISSION

SITE NAME OR NUMBER <i>Brodersen Creek</i>		PERMIT NUMBER <i>602</i>
COMPANY <i>Brodersen Sand & Gravel</i>		
COUNTY <i>Morgan</i>	1/4 SECTION	SECTION <i>13</i>
TOWNSHIP <i>45</i>	RANGE <i>19</i>	ACRES <i>2</i>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>Lamine River</i>		
MINERAL COMMODITY <i>Gravel</i>		ESTIMATED TONS/YEAR (GRAVEL SITES) <i>5000 tons</i>

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Charles Brodersen</i>		
ADDRESS <i>2372 Parkview Rd</i>		
CITY <i>Ottumwa</i>	STATE <i>mo</i>	ZIP CODE <i>65348</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>5-14-04</i>
<input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Same as Land Owner</i>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL		
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)4

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

TYPE OF PLAN (CHECK ONE):	<input type="checkbox"/> SHORT TERM, FOR ONE PERMIT YEAR <input checked="" type="checkbox"/> LONG TERM, FOR PERIOD THROUGH DATE:	COMPANY NAME <i>Brodersen Sand & Gravel</i>
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DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

This Mine Plan includes approximately a 1/4 mile stretch of Lamine River, Section 13 (Brodersen Creek). Trees are growing on an adjacent gravel bar, collecting drift and debris, forcing water into agricultural land, across from gravel bar, causing sharp banks with little vegetation. Water condition appears to be good.

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MISSOURI LAND
RECLAMATION COMMISSION

DESCRIBE METHODS TO RESTRICT DAMAGE TO STREAM BANKS OR STREAM BANK VEGETATION.

Excavations between the stream banks will be managed so that the water flow is not redirected toward the stream banks. An undisturbed buffer of 20 feet will be maintained between the gravel removal area and the permanent bank vegetation. There will be no damage to the permanent vegetation of the stream bank.

DESCRIBE METHODS USED TO MINIMIZE IMPACTS ON THE STREAM ENVIRONMENTS, CONFINING ACTIVE MINING OPERATIONS TO THE GRAVEL BARS RATHER THAN FLOWING WATER AND RESTRICTING HAUL ROADS THROUGH FLOWING WATER.

Gravel removal will be restricted to exposed portions of the gravel bar. The gravel bar will be removed no deeper than the water level. Gravel will be removed so water will not be redirected into the banks. Trucks and loaders will cross in shallow water only.

PERMIT NUMBER
#0602

SITE NUMBER AND/OR NAME
Brodersen Creek

DESCRIBE METHODS USED TO PROTECT WATER QUALITY, SUCH AS INSTALLING EROSION CONTROL DEVICES OR OTHER INFORMATION.

Gravel will be removed when water level is low, so loaders will be above the water level. Trucks will cross in shallow water only. There will be no destruction of permanent vegetation.


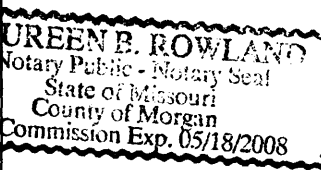
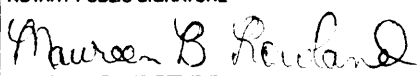
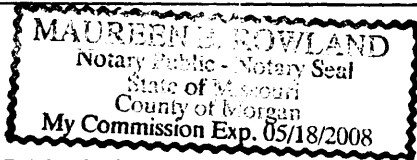

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MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

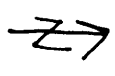
- 1) All statements made in this Stream Protection Plan form are correct, complete and true to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to protect the stream environment and remove sand and gravel in accordance with this plan, and in accordance with The Land Reclamation Act, Sections 444.760 through 444.790, RSMo (Supp. 2001), and all rules, regulations, orders, decisions, and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operation.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT 		TITLE Owner	DATE 6-16-04
NOTARY PUBLIC EMBOSSE OR BLACK INK RUBBER STAMP SEAL 	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Morgan
	SUBSCRIBED AND SWORN BEFORE ME, THIS 16th DAY OF June YEAR 2004		USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 5/18/08	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Maureen B Rowland		
FOR DEPARTMENT USE ONLY			
APPROVED BY 		DATE APPROVED	PERMIT NUMBER
PERMIT NUMBER		SITE NUMBER AND/OR NAME	

50.1199

Brodersen Creek
Morgan County
S T R
13 45 19

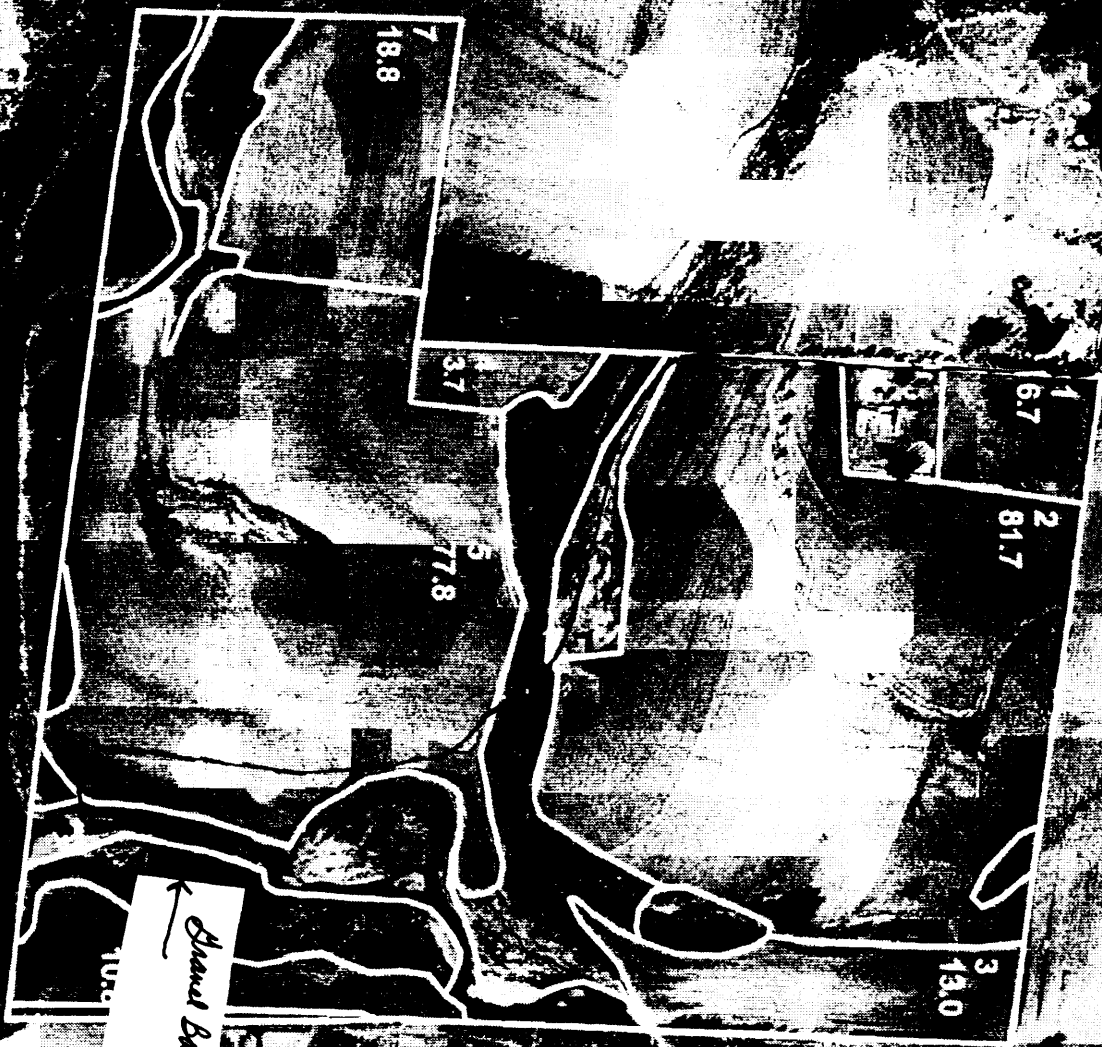
Brodersen StG
Permit 0602
Prepared By: Gary B.
Date: 1-6-3-04



Outer white line shows
Brodersen property surrounding
mining site



E2341
T 47





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Complete this form for each separate area of disturbance associated with mining operations. MISSOURI LAND RECLAMATION COMMISSION

SITE NAME OR NUMBER

Homan Creek

PERMIT NUMBER

602

COMPANY

Brodersen Sand & Gravel

COUNTY

Morgan

1/4 SECTION

SECTION

22

TOWNSHIP

45

RANGE

19

ACRES

1

RIVER OR STREAM NAME (FOR IN-STREAM ACRES)

Flat Creek

MINERAL COMMODITY

Gravel

ESTIMATED TONS/YEAR (GRAVEL SITES)

5000 or less

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)

Wayne Homan

ADDRESS

3907 Wolf Ln

CITY

Florence

STATE

MO

CODE

65329

SOURCE OF RIGHT TO MINE (CHECK ONE):

☐ MINERAL DEED☐ LEASE☐ WARRANTY DEED☒ VERBAL☐ OTHER (DESCRIBE):

DATE OF AGREEMENT

5-14-04

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)

Same as Land Owner

ADDRESS

CITY

STATE

ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

☐ MINERAL DEED☐ LEASE☐ WARRANTY DEED☐ VERBAL☐ OTHER (DESCRIBE):

DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



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DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

This mine Plan involves 1 1/2 mile stretch of Flat Creek Section 22 (Homan Creek). Vegetation is good except where gravel bars force water into creek banks on sharp bends. The water condition appears to be good.

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PERMIT NUMBER

#0602

SITE NUMBER AND/OR NAME

Homan Creek

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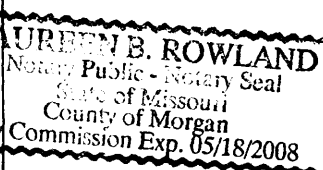
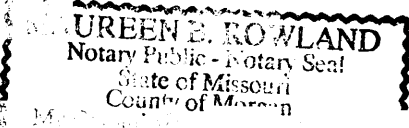
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- 2) I or the company I am authorized to represent intend(s) to protect the stream environment and remove sand and gravel in accordance with this plan, and in accordance with The Land Reclamation Act, Sections 444.760 through 444.790, RSMo (Supp. 2001), and all rules, regulations, orders, decisions, and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operation.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT 		TITLE <i>Owner</i>	DATE <i>6-15-04</i>
NOTARY PUBLIC EMBOSSEY OR BLACK INK RUBBER STAMP SEAL 	STATE <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Morgan</i>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>16th</i> DAY OF <i>June</i> YEAR <i>2004</i>		USE RUBBER STAMP IN CLEAR AREA BELOW. 
	NOTARY PUBLIC SIGNATURE <i>Maureen B Rowland</i>	MY COMMISSION EXPIRES <i>5/18/08</i>	
NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Maureen B Rowland</i>			

FOR DEPARTMENT USE ONLY

APPROVED BY 	DATE APPROVED	PERMIT NUMBER
PERMIT NUMBER	SITE NUMBER AND/OR NAME	

135H

Herman Creek

Magnum County

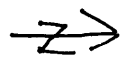
S T R
22 45 19

Brodersen SE 6

Permit 0602

Prepared By: Day L.

Date: 6-3-04



Cuts white line above
Herman property surrounding
mining site
→

Hand
Line

